OIPE JC73
AUG 0 8 2005
PATENT & TRADEMARK OFFICE

PATENT
ATTORNEY DOCKET NO. **046124-5179**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Katsumi SHIBAYAMA et al.	)	Confirmation No.: 2756
	)	
Application No.: 10/715,118	)	Group Art Unit: 2814
	)	
Filed: November 18, 2003	)	Examiner: Shrinivas H. Rao
	)	
Title: BACK ILLUMINATED PHOTODIODE ARRAY, MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE THEREOF	)	

Commissioner for Patents
Alexandria, VA 22314

Sir:

SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY AND GRANT OF NEW POWER OF ATTORNEY

Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: August 8, 2005

By: _____
Paul A. Fournier
Registration No. 41,023

CUSTOMER NO. 55694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
Tel: (202) 842-8800
Fax: (202) 842-8465

OIPE JC73
AUG 0 8 2005
PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: **HAMAMATSU PHOTONICS K.K.**

Commissioner for Patents
Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), **HAMAMATSU PHOTONICS K.K.**, a Japanese corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to HAMAMATSU PHOTONICS K.K. submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the chart below.

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
02/27/03	046124-5198	10/362,940			02/27/03; 014193/0128
10/07/03	046124-5240	10/679,517			03/05/04; 015047/0125
12/17/03	046124-5260	10/481,084			12/17/03; 015364/0834
11/18/02	046124-5170	10/276,722			11/18/02; 013817/0263
11/18/03	046124-5179	10/715,118			02/24/04; 015789/0122
04/07/03	046124-5053-01	10/407,248			07/24/01; 012009/0159
12/18/00	046124-5053	09/738,951	6,573,506	06/03/03	07/24/01; 012009/0159
02/10/03	046124-5096-01	10/360,642			05/16/03; 014082/0406
08/09/02	046124-5096	10/215,192			11/18/02; 013504/0185
03/25/03	046124-5203	10/381,319			03/25/03; 014330/0483
03/10/03	046124-5200	10/363,898			03/10/03; 014364/0479
02/10/03	046124-5195	10/344,265	6,881,587	04/19/05	02/10/03; 014055/0710
04/28/00	046124-5023	09/560,911	6,531,225	03/11/03	08/30/00; 011048/0535
08/22/02	046124-5023-01	10/225,416	6,849,336	02/01/05	08/30/00; 011048/0535
07/30/03	046124-5023-02	10/629,820			07/30/03; 014356/0028
12/18/02	046124-5181	10/311,586			12/18/02; 013955/0359
05/08/02	046124-5128	10/140,282			05/08/02; 012881/0457
10/12/01	046124-5099	09/974,817	6,872,992	03/29/05	10/12/01; 012254/0410

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
02/03/04	046124-5239	10/473,178			02/03/04; 015006/0756
12/06/02	046124-5174	10/297,406			12/06/02; 014404/0608
10/03/02	046124-5153	10/262,859			10/03/02; 013371/0237
02/02/01	046124-5060	09/773,509	6,895,026	05/17/05	02/02/01; 011548/0435
07/29/03	046124-5229	10/628,476	6,893,406	05/17/05	07/29/03; 014338/0880
04/14/04	046124-5289	10/823,575			04/14/04; 015214/0383
10/10/02	046124-5156	10/257,270	6,879,399	04/12/05	10/10/02; 014132/0688
10/30/03	046124-5204	10/381,317			10/30/03; 014717/0852
05/09/03	046124-5176	10/434,194			05/09/03; 014064/0163
01/30/03	046124-5183	10/343,233			05/13/03; 014062/0926
06/29/01	046124-5085	09/893,586			06/29/01; 011954/0477
01/05/04	046124-5085-01	10/750,945			06/29/01; 011954/0477
06/25/03	046124-5205	10/381,318			06/25/03; 014445/0492
08/04/00	046124-5039	09/633,160	6,490,341	12/03/02	10/27/00; 011259/0039
11/18/02	046124-5039-01	10/295,859	6,856,671	02/15/05	10/27/00; 011259/0039
01/26/05	046124-5039-02	11/042,205			10/27/00; 011259/0039
10/09/01	046124-5098	09/971,943			10/09/01; 012241/0675
08/14/02	046124-5098-01	10/217,628			08/14/02; 013198/0462
04/20/00	046124-5022	09/553,020	6,545,256	04/08/03	04/20/00; 010754/0902
05/19/00	046124-5024	09/574,217	6,573,640	06/03/03	08/15/00; 010995/0703
05/25/00	046124-5027	09/577,622	6,765,609	07/20/04	05/25/00; 010824/0684
06/22/00	046124-5029	09/598,990	6,531,821	03/11/03	06/22/00; 010896/0411
06/22/00	046124-5030	09/599,399	6,586,866	07/01/03	06/22/00; 010898/0533
06/23/00	046124-5031	09/602,475	6,573,655	06/03/03	06/23/00; 010895/0591
08/04/00	046124-5038	09/632,807	6,522,816	02/18/03	08/04/00; 010998/0851
10/17/00	046124-5040	09/688,927	6,741,036	05/25/04	10/17/00; 011237/0980
09/19/00	046124-5041	09/664,097	6,548,959	04/15/03	09/19/00; 011129/0817
09/29/00	046124-5043	09/672,832	6,567,165	05/20/03	09/29/00; 011182/0144
09/29/00	046124-5044	09/672,788	6,567,593	05/20/03	09/29/00; 011178/0748
10/24/00	046124-5046	09/694,312	6,573,488	06/03/03	10/24/00; 011253/0997
10/24/00	046124-5047	09/694,313	6,628,874	09/30/03	10/24/00; 011253/0926
10/24/00	046124-5048	09/694,267	6,538,376	03/25/03	10/24/00; 011342/0009
10/27/00	046124-5049	09/697,078	6,496,644	12/17/02	10/27/00; 011256/0894
11/29/00	046124-5051	09/725,251			11/27/00; 011319/0760

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
12/18/00	046124-5054	09/737,819	6,469,307	10/22/02	07/13/01; 011977/0424
10/21/03	046124-5054-01	10/689,578			07/13/01; 011977/0424
12/18/00	046124-5055	09/737,818	6,777,690	08/17/04	06/20/01; 011915/0263
08/14/02	046124-5055-01	10/218,130	6,762,420	07/13/04	06/20/01; 011915/0263
08/14/02	046124-5055-02	10/217,652			06/20/01; 011915/0263
06/22/00	046124-5028	09/598,992	6,559,576	05/06/03	06/22/00; 010895/0803
12/22/00	046124-5058	09/741,826	6,580,215	06/17/03	12/22/00; 011393/0447
03/06/01	046124-5061	09/798,952	6,498,332	12/24/02	03/06/01; 011615/0909
01/08/01	046124-5062	09/755,090	6,526,122	02/25/03	01/08/01; 011434/0843
01/06/03	046124-5062-01	10/336,921	6,735,282	05/11/04	01/08/01; 011434/0843
02/02/01	046124-5064	09/773,510	6,804,275	10/12/04	02/02/01; 011547/0621
05/01/01	046124-5069	09/845,204	6,541,753	04/01/03	05/01/01; 011754/0647
09/28/01	046124-5071	09/964,450			09/28/01; 012213/0548
07/26/01	046124-5073	09/912,384	6,664,733	12/16/03	07/26/01; 012020/0474
05/04/01	046124-5074	09/848,252	6,704,110	03/09/04	05/04/01; 011776/0059
06/22/01	046124-5078	09/886,110	6,724,062	04/20/04	06/22/01; 011928/0906
05/25/01	046124-5079	09/864,159	6,572,139	06/03/03	05/25/01; 011847/0131
06/05/01	046124-5082	09/873,352	6,674,083	01/06/04	11/14/01; 012307/0461
06/27/01	046124-5083	09/891,351	6,529,281	03/04/03	06/27/01; 011941/0207
06/13/01	046124-5084	09/879,062	6,781,131	08/24/04	06/13/01; 011900/0344
07/18/01	046124-5086	09/907,438	6,563,849	05/13/03	11/07/01; 012298/0464
07/30/01	046124-5087	09/916,281	6,606,123	08/12/03	07/30/01; 012034/0128
08/15/01	046124-5090	09/929,490	6,635,877	10/21/03	08/15/01; 012101/0591
10/16/01	046124-5091	09/977,287	6,858,830	02/22/05	10/16/01; 012258/0415
08/31/01	046124-5092	09/943,085	6,816,573	11/09/04	12/07/01; 012344/0350
08/22/01	046124-5093	09/933,904	6,548,958	04/15/03	08/22/01; 012114/0228
09/12/01	046124-5095	09/949,981	6,579,249	06/17/03	09/12/01; 012164/0779
10/09/01	046124-5097	09/971,644	6,753,531	06/22/04	10/09/01; 012241/0643
05/24/04	046124-5097-01	10/851,333			10/09/01; 012241/0643
10/19/01	046124-5100	09/982,022	6,643,020	11/04/03	01/11/02; 012472/0977
10/26/01	046124-5101	09/983,921	6,644,835	11/11/03	01/14/02; 012470/0806
10/26/01	046124-5102	09/983,922	6,757,627	06/29/04	10/26/01; 012290/0792
11/08/01	046124-5103	09/986,406	6,580,218	06/17/03	11/08/01; 012308/0638
10/26/01	046124-5104	09/984,028	6,637,913	10/28/03	01/11/02; 012472/0958

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
11/30/01	046124-5105	09/997,179	6,687,532	02/03/04	11/10/03; 014680/0434
12/07/01	046124-5106	10/005,844	6,597,007	07/22/03	02/28/02; 012637/0152
01/14/02	046124-5107	10/043,304	6,601,972	08/05/03	01/14/02; 012470/0055
12/21/01	046124-5108	10/024,148			12/21/01; 012397/0482
05/07/02	046124-5109	10/139,357	RE 38234	08/26/03	09/25/97; 08826/0198
01/15/02	046124-5110	10/044,988	6,642,501	11/04/03	01/15/02; 012488/0643
01/29/02	046124-5111	10/058,121	6,811,090	11/02/04	01/29/02; 012550/0973
01/31/02	046124-5112	10/060,064	6,516,048	02/04/03	06/10/02; 012996/0423
02/01/02	046124-5113	10/060,167			02/01/02; 012577/0903
02/19/02	046124-5114	10/076,273			02/19/02; 012609/0801
02/28/02	046124-5115	10/084,341			02/28/02; 012656/0925
03/01/02	046124-5116	10/085,617			08/07/02; 013174/0712
02/28/02	046124-5117	10/084,340	6,563,274	05/13/03	02/28/02; 012659/0842
03/06/02	046124-5118	10/070,383	6,712,777	03/30/04	03/06/02; 012858/0229
03/14/02	046124-5119	10/096,891			03/14/02; 012708/0826

The undersigned has reviewed all documents in the chain of title of the patent applications and patents identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

Customer Number 023973
DRINKER BIDDLE & REATH LLP
One Logan Square
18th and Cherry Streets
Philadelphia, PA 19103-6996

with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

All correspondence regarding these applications should be sent to JOHN SMITH at:

Customer Number 023973
DRINKER BIDDLE & REATH LLP
One Logan Square
18th and Cherry Streets
Philadelphia, PA 19103-6996

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the patents, applications or any patents issued on the applications.

Respectfully submitted,

Date: May. 23. 2005

Akira Utsuyama

(Signature) Akira UTSUYAMA
Title: Group Manager
Technology & Information
Management Division
Patent Group

HAMAMATSU PHOTONICS K.K.

OIPE JC73
AUG 08 2005
PATENT & TRADEMARK OFFICE

PATENT
ATTORNEY DOCKET NO. **046124-5179**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Katsumi SHIBAYAMA et al.	)	Confirmation No.: 2756
	)	
Application No.: 10/715,118	)	Group Art Unit: 2814
	)	
Filed: November 18, 2003	)	Examiner: Shrinivas H. Rao
	)	
Title: BACK ILLUMINATED PHOTODIODE ARRAY, MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE THEREOF	)	

Commissioner for Patents
U.S. Patent and Trademark Office
Alexandria, VA 22314

Sir:

CHANGE OF CORRESPONDENCE ADDRESS

Please enter the correspondence address of this application as:

Customer Number 55694

A new power of attorney appointing the undersigned is being filed concurrently herewith. If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: August 8, 2005

By: _____
Paul A. Fournier
Registration No. 41,023

CUSTOMER NO. 55694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
Tel: (202) 842-8800
Fax: (202) 842-8465